

Amendments to the Specification

Submitted herewith under the provisions of 37 CFR §1.125 is a Substitute Specification (clean copy) together with a marked-up copy of the Substitute Specification which shows all added material underlined and all deleted material struck-out.

The undersigned affirms that the Substitute Specification only includes those changes shown on the marked-up copy and does not contain any new matter.

The Substitute Specification corrects matters of form and grammar from the English translation of the original specification.

Please change the title of the invention to: -- HIGH-SILICON STEEL AND METHOD OF MAKING THE SAME--

Please amend the Abstract as follows:

~~--The present invention concerns a high silicon steel and method of making the same, which relates to the field of material making. The~~ A high silicon steel that comprises (by wt.) 5-10% silicon, 0.007-1% carbon; less than 0.01% impurities consisting of one or more of Mn, P, S, Cr and Ni; and balance Fe. ~~The~~ A process for producing the high silicon steel involves ~~comprises~~ the steps of adding 0.01-1% carbon to a high silicon steel comprising 5%-10% silicon, subjecting the steel to a homogenizing heat treatment in a protective atmosphere i.e. a solutionizing treatment between 1200°C and ~~the~~ at a temperature below the melting point of the steel, ~~and so that the~~ constant-temp annealing of the steel ~~to eliminate~~ eliminates most of the second phase in the silicon steel. The

tensile ductility and workability of the silicon steel ~~could be remarkably improved, as a result, it makes is improved so as to allow for~~ mass production of high silicon ~~sheet sheets~~ with various ~~thicknesses. thickness possible.~~ The ~~present invention is useful for producing process produces~~ high silicon steel sheets in which the microstructure is controlled. In addition, ~~sheet and controlling its microstructure, also it could adjust~~ final carbon content can be controlled to obtain a high silicon steel ~~sheet sheets~~ with optimal soft magnetism characteristics. The carbon-containing high silicon steel ~~sheet could sheets can~~ be utilized as a high strength constructional material at room and moderate temperatures ~~temperature~~ in oxidizing and corrosive environments. ~~atmosphere.--~~